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ABSTRACT

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An electronic contactless, internal-power-sourceless, electromagnetic communication device module (MC), with a single antenna (10) for receiving electromagnetically both power and data signals. The module includes means (18, 20, 24) for processing the electromagnetic signals received; means (26) for rectifying and filtering the signals to supply, at two output terminals (A, B), a supply voltage (Vcc) to the processing means (18, 20, 24); connection means (36, 38, 56, 58, 80, 82, 100, 102, 104, 106, 132, 140) for connecting the output terminals (A, B) of the rectifying and filtering means (26) to an external electrical power source (48, 70) carried by an external support means of the module (PC, MC, TM 138); and the connection means includes a switch (60, 86, 110, 134, 142) for making or cutting-off the connection between the external power source (48, 70) and the output terminals (A, B) of the rectifying and filtering circuit (26).